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NEWS 4 NOV 26 MEDLINE year-end processing temporarily halts
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Classification Data

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 01:14:24 ON 15 JAN 2009

=> file medline, agricola, caba, caplus, biosis, biotechno		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'MEDLINE' ENTERED AT 01:14:58 ON 15 JAN 2009

FILE 'AGRICOLA' ENTERED AT 01:14:58 ON 15 JAN 2009

FILE 'CABA' ENTERED AT 01:14:58 ON 15 JAN 2009
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FILE 'CAPLUS' ENTERED AT 01:14:58 ON 15 JAN 2009
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FILE 'BIOSIS' ENTERED AT 01:14:58 ON 15 JAN 2009
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FILE 'BIOTECHNO' ENTERED AT 01:14:58 ON 15 JAN 2009
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=> s indica and (godavari or salween) and (transformed or transgenic)
L1 1 INDICA AND (GODAVARI OR SALWEEN) AND (TRANSFORMED OR TRANSGENIC)

=> d l1 ti

L1 ANSWER 1 OF 1 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Transgenic rice expressing Allium sativum leaf agglutinin (ASAL)
exhibits high-level resistance against major sap-sucking pests.

=> d l1 bib

L1 ANSWER 1 OF 1 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
AN 2009:11461 BIOSIS
DN PREV200900011461
TI Transgenic rice expressing Allium sativum leaf agglutinin (ASAL)
exhibits high-level resistance against major sap-sucking pests.
AU Yarasi, Bharathi; Sadumpati, Vijayakumar; Immanni, China Pasalu; Vudem,
Dasavantha Reddy; Khareedu, Venkateswara Rao [Reprint Author]
CS Osmania Univ, Ctr Plant Mol Biol, Hyderabad 500007, Andhra Pradesh, India
bharathi_yarasi@yahoo.co.in; vijaycpmb@yahoo.com; icpasalu@yahoo.com;
vdreddycpmb@yahoo.com; rao_kv1@rediffmail.com
SO BMC Plant Biology, (OCT 14 2008) Vol. 8, pp. Article No.: 102.
ISSN: 1471-2229.
DT Article
LA English
OS GenBank-DQ525625; EMBL-DQ525625; DDJB-DQ525625; GenBank-ABF70332;
EMBL-ABF70332; DDJB-ABF70332; GenBank-AAW48531; EMBL-AAW48531;
DDJB-AAW48531; GenBank-AAB64238; EMBL-AAB64238; DDJB-AAB64238
ED Entered STN: 17 Dec 2008
Last Updated on STN: 17 Dec 2008

=> s indica and (godavari or salween)
L2 20 INDICA AND (GODAVARI OR SALWEEN)

=> s l2 not l1
L3 19 L2 NOT L1

=> duplicate remove l3
DUPLICATE PREFERENCE IS 'CABA, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L3
L4 17 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)

=> d 14 11-17 ti

- L4 ANSWER 11 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Insecticide resistance pattern in the selected strains of brown planthopper *Nilaparvata lugens* Stal in rice.
- L4 ANSWER 12 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Phyto-sociological studies of rainy season weeds with special reference to *Imperata cylindrica* (L.) Raeuchl in Godavari delta.
- L4 ANSWER 13 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Estimating diameter at breast height and basal diameter of trees from stump measurements in Nepal's lower temperate broad-leaved forests.
- L4 ANSWER 14 OF 17 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Microscopic analysis of honeys from a coastal district of Andhra Pradesh, India.
- L4 ANSWER 15 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI A note on phlebotomid sandflies (Diptera: Phlebotomidae) from Krishna and West Godavari Districts of Andhra Pradesh.
- L4 ANSWER 16 OF 17 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI STRATIGRAPHIC APPRAISAL OF KOTA FLORA.
- L4 ANSWER 17 OF 17 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI 2 NEW SPECIES OF GODAVARITREMA NEW-GENUS TREMATODA OPECOELIDAE FROM FISHES.

=> d 14 1-10 ti

- L4 ANSWER 1 OF 17 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI PHENOLIC PROFILE IN SOME PETROCROPS.
- L4 ANSWER 2 OF 17 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 1
TI Collection and conservation of tamarind (*Tamarindus indica* L.) - a multipurpose tree for livelihood of rural poor.
- L4 ANSWER 3 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Productivity of rice fallow blackgram in Andhra Pradesh as influenced by variety and plant protection.
- L4 ANSWER 4 OF 17 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Permian megaspores from Kachinapalli area, Godavari Graben, India.
- L4 ANSWER 5 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Role of nutrients in the management of coconut eriophyid mite, *Aceria guerreronis* (K.).
- L4 ANSWER 6 OF 17 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 2
TI Macrobenthos of Kakinada Bay in the Godavari delta, East coast of India: comparing decadal changes.
- L4 ANSWER 7 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Seasonal incidence of pumpkin caterpillar *Diaphania indica* (Saunders) on cucumber in Krishna-Godavari zone.

L4 ANSWER 8 OF 17 CABA COPYRIGHT 2009 CABI on STN
 TI Studies on variability, correlation and path coefficient analysis for restorer lines in rice (*Oryza sativa* L.).

L4 ANSWER 9 OF 17 CABA COPYRIGHT 2009 CABI on STN
 TI Parental line improvement through indica x tropical japonica crosses in rice.

L4 ANSWER 10 OF 17 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
 TI Ostracodes from the Inter-trappean beds (Early Paleocene) of the east coast of India.

=> d 14 3, 9 bib

L4 ANSWER 3 OF 17 CABA COPYRIGHT 2009 CABI on STN
 AN 2008:28758 CABA
 DN 20083007467
 TI Productivity of rice fallow blackgram in Andhra Pradesh as influenced by variety and plant protection
 AU Dattatri, K.; Hegde, M. R.; Sudhakar, N.; Reddy, K. M.; Reddy, G. R.
 CS Zonal Coordination Unit for TOT Projects (Zone-V), CRIDA Campus, Santoshnagar, Hyderabad - 500 059, India.
 SO Journal of Research ANGRAU, (2007) Vol. 35, No. 1, pp. 87-90. 2 ref.
 Publisher: Acharya N G Ranga Agricultural University. Hyderabad
 ISSN: 0970-0226
 URL: <http://www.angrau.net>
 CY India
 DT Journal
 LA English
 ED Entered STN: 7 Feb 2008
 Last Updated on STN: 7 Feb 2008

L4 ANSWER 9 OF 17 CABA COPYRIGHT 2009 CABI on STN
 AN 2006:205650 CABA
 DN 20063194578
 TI Parental line improvement through indica x tropical japonica crosses in rice
 AU Satyanarayana, P. V.; Rao, P. S.; Reddy, P. R.; Srinivas, T.; Madhuri, J.; Suneetha, Y.
 CS Agricultural Research Station, Maruteru, West Godavari District, Andhra Pradesh, India.
 SO *Oryza*, (2005) Vol. 42, No. 1, pp. 5-9. 11 ref.
 Publisher: Association of Rice Research Workers, Central Rice Research Institute. Cuttack
 ISSN: 0474-7615
 CY India
 DT Journal
 LA English
 ED Entered STN: 6 Dec 2006
 Last Updated on STN: 6 Dec 2006

=> d his

(FILE 'HOME' ENTERED AT 01:14:24 ON 15 JAN 2009)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 01:14:58 ON 15 JAN 2009

L1 1 S INDICA AND (GODAVARI OR SALWEEN) AND (TRANSFORMED OR TRANSGEN
 L2 20 S INDICA AND (GODAVARI OR SALWEEN)

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L3          19 S L2 NOT L1
L4          17 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)

=> s indica and (transformed or transgenic)
L5          1314 INDICA AND (TRANSFORMED OR TRANSGENIC)

=> s indica and (mnsod or manganese(w)superoxide(w)dismutase)
L6          2 INDICA AND (MNSOD OR MANGANESE(W) SUPEROXIDE(W) DISMUTASE)

=> duplicate remove l6
DUPLICATE PREFERENCE IS 'CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L6
L7          2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)

=> d l7 1-2 ti

L7          ANSWER 1 OF 2 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI          Development of a virus-induced gene silencing system in pearl millet.

L7          ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
TI          Superoxide dismutases of Azotobacter vinelandii and other aerobic,
free-living nitrogen-fixing bacteria

=> s l7 and (transformed or transgenic)
L8          0 L7 AND (TRANSFORMED OR TRANSGENIC)

=> s (rice or oryza) and (mnsod or manganese(w)superoxide(w)dismutase)
L9          59 (RICE OR ORYZA) AND (MNSOD OR MANGANESE(W) SUPEROXIDE(W) DISMUTA
SE)

=> duplicate remove l9
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L9
L10         29 DUPLICATE REMOVE L9 (30 DUPLICATES REMOVED)

=> d l10 1-10 ti

L10         ANSWER 1 OF 29 MEDLINE on STN DUPLICATE 1
TI          Catalase and superoxide dismutase activities in a Stenotrophomonas
maltophilia WZ2 resistant to herbicide pollution.

L10         ANSWER 2 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI          Catalase and superoxide dismutase activities in a Stenotrophomonas
maltophilia WZ2 resistant to herbicide pollution.

L10         ANSWER 3 OF 29 MEDLINE on STN DUPLICATE 2
TI          Proteomic analysis of phosphoproteins regulated by abscisic acid in
rice leaves.

L10         ANSWER 4 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
TI          Quantitative analysis of auxin-regulated proteins from basal part of leaf
sheaths in rice by two-dimensional difference gel
electrophoresis

L10         ANSWER 5 OF 29 MEDLINE on STN DUPLICATE 3
TI          Proteomic analysis of reactive oxygen species (ROS)-related proteins in
rice roots.

L10         ANSWER 6 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 4

```

TI Proteome analysis of proteins responsive to ambient and elevated ozone in rice seedlings

L10 ANSWER 7 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
 TI Unusual expression patterns of SODs in rice.

L10 ANSWER 8 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
 TI Unusual expression patterns of SODs in rice.

L10 ANSWER 9 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
 TI Protein oxidation in plant mitochondria detected as oxidized tryptophan.

L10 ANSWER 10 OF 29 MEDLINE on STN DUPLICATE 5
 TI Molecular structure and organization of the wheat genomic manganese superoxide dismutase gene.

=> d l10 11-20 ti

L10 ANSWER 11 OF 29 MEDLINE on STN DUPLICATE 6
 TI Enhanced drought tolerance of transgenic rice plants expressing a pea manganese superoxide dismutase.

L10 ANSWER 12 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Rice conferring resistance to environmental stress by targeting manganese-containing superoxide dismutase (MnSOD) to the chloroplast

L10 ANSWER 13 OF 29 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 7
 TI Kinetics of wound-induced activation of antioxidative enzymes in *Oryza sativa*: differential activation at different growth stages.

L10 ANSWER 14 OF 29 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 8
 TI Mining the enzymes involved in the detoxification of reactive oxygen species (ROS) in sugarcane.

L10 ANSWER 15 OF 29 CABA COPYRIGHT 2009 CABI on STN
 TI Plant gene register PGR 99-170. Cloning and characterization of manganese-superoxide dismutase gene from rice (Accession Number AB026725).

L10 ANSWER 16 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
 TI Expression and characterization of rice manganese superoxide dismutase in *Escherichia coli*.

L10 ANSWER 17 OF 29 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN
 TI Differential gene expressions of rice superoxide dismutase isoforms to oxidative and environmental stresses

L10 ANSWER 18 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 9
 TI Salt tolerance of transgenic rice overexpressing yeast mitochondrial Mn-SOD in chloroplasts

L10 ANSWER 19 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
 TI Oxidative stress management-targeting MnSOD to the chloroplast.

L10 ANSWER 20 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
 TI Expression and characterization of rice superoxide dismutases in *Arabidopsis*.

=> d 110 11,12,17,18,19 bib

L10 ANSWER 11 OF 29 MEDLINE on STN DUPLICATE 6
 AN 2005260290 MEDLINE
 DN PubMed ID: 15900889
 TI Enhanced drought tolerance of transgenic rice plants expressing
 a pea manganese superoxide dismutase.
 AU Wang Fang-Zheng; Wang Qing-Bin; Kwon Suk-Yoon; Kwak Sang-Soo; Su Wei-Ai
 CS Shanghai Institute of Plant Physiology and Ecology, Chinese Academy of
 Sciences, 300 Fenglin Road, Shanghai 200032, China.
 SO Journal of plant physiology, (2005 Apr) Vol. 162, No. 4, pp. 465-72.
 Journal code: 9882059. ISSN: 0176-1617.
 CY Germany: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200507
 ED Entered STN: 20 May 2005
 Last Updated on STN: 20 Jul 2005
 Entered Medline: 19 Jul 2005

L10 ANSWER 12 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2004:515704 CAPLUS
 DN 141:66201
 TI Rice conferring resistance to environmental stress by targeting
 manganese-containing superoxide dismutase (MnSOD) to the
 chloroplast
 IN Morawala Villoo, Patell
 PA Avestha Gengraine Technologies Pvt. Ltd., India
 SO PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004053136	A1	20040624	WO 2002-IB5253	20021209
	W: US				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT,				
	LU, MC, NL, PT, SE, SI, SK, TR				
	EP 1611242	A1	20060104	EP 2002-808218	20021209
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, FI, CY, TR, BG, CZ, EE, SK				
	US 20070006349	A1	20070104	US 2005-552887	20051012
	FRAI WO 2002-IB5253	W	20021209		
RE.CNT 2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD				
	ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L10 ANSWER 17 OF 29 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN
 AN 1999:30060612 BIOTECHNO
 TI Differential gene expressions of rice superoxide dismutase
 isoforms to oxidative and environmental stresses
 AU Kaminaka H.; Morita S.; Tokumoto M.; Masumura T.; Tanaka K.
 CS K. Tanaka, Laboratory of Genetic Engineering, Faculty of Agriculture,
 Kyoto Prefectural University, Shimogamo, Kyoto 606-8522, Japan.
 SO Free Radical Research, (1999), 31/SUPPL. (S219-S225), 25 reference(s)
 CODEN: FRARER ISSN: 1071-5762
 DT Journal; Conference Article
 CY United Kingdom

LA English
SL English

L10 ANSWER 18 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 9
AN 1999:685938 CAPLUS
DN 132:33366
TI Salt tolerance of transgenic rice overexpressing yeast
mitochondrial Mn-SOD in chloroplasts
AU Tanaka, Y.; Hibino, T.; Hayashi, Y.; Tanaka, A.; Kishitani, S.; Takabe,
T.; Yokota, S.; Takabe, T.
CS Faculty of Science and Technology, Department of Chemistry, Meijo
University, Aichi, Nagoya, Japan
SO Plant Science (Shannon, Ireland) (1999), 148(2), 131-138
CODEN: PLSCE4; ISSN: 0168-9452
PB Elsevier Science Ireland Ltd.
DT Journal
LA English
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 19 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
STN
AN 2003:144256 BIOSIS
DN PREV200300144256
TI Oxidative stress management-targeting MnSOD to the chloroplast.
AU Davuluri, Ganga Rao [Reprint Author]; Chettoor Mathai, Antony; Nirmal,
Rashmi; Azhagiri, Arun Kumar; Morawala Patell, Villoo
CS Avesthagen Graine, Plant Genome Biology Laboratory, University of
Agricultural Sciences, Basic Sciences Building, GKVK Campus, Bangalore,
560065, India
cmantsy@yahoo.com
SO Plant Biology (Rockville), (1999) Vol. 1999, pp. 103. print.
Meeting Info.: Annual Meeting of the American Society of Plant
Physiologists. Baltimore, Maryland, USA. July 24-28, 1999. American
Society of Plant Physiologists (ASPP).
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 19 Mar 2003
Last Updated on STN: 19 Mar 2003

=> d l10 21-29 ti

L10 ANSWER 21 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
STN
TI Salinity, oxidative stress and antioxidant responses in shoot cultures of
rice.
L10 ANSWER 22 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
STN
TI Cloning and overexpression of manganese superoxide
dismutase of rice in E. coli.
L10 ANSWER 23 OF 29 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 10
TI Cloning and characterization of Rice manganese superoxide
dismutases.
L10 ANSWER 24 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
STN
TI Rice manganese superoxide dismutase
is encoded by a differentially regulated multigene family.

L10 ANSWER 25 OF 29 CABA COPYRIGHT 2009 CABI on STN
 TI The value of photoprotection as a criterion for improving crop productivity.

L10 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 11
 TI The effects of salt stress on superoxide dismutase in rice

L10 ANSWER 27 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
 TI Expression of the engineered yeast mitochondrial Mn-SOD gene in transgenic rice plants.

L10 ANSWER 28 OF 29 MEDLINE on STN DUPLICATE 12
 TI Cloning and sequencing analysis of a complementary DNA for manganese-superoxide dismutase from rice (*Oryza sativa* L.).

L10 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Induction of antioxidant enzymes as defense systems in plant cells against low temperature stress. (II). Manganese(2+)-induced SOD activation and enhancement of cold tolerance in rice seedlings

=> d 110 21,22,23,24,25,26,27,28,29 bib

L10 ANSWER 21 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
 AN 1997:171318 BIOSIS
 DN PREV199799477921
 TI Salinity, oxidative stress and antioxidant responses in shoot cultures of rice.
 AU Fadzilla, Nor'ani M. [Reprint author]; Finch, Robert P.; Burdon, Roy H. [Reprint author]
 CS Dep. Biosci. Biotechnol., Univ. Strathclyde, Glasgow G4 0NR, UK
 SO Journal of Experimental Botany, (1997) Vol. 48, No. 307, pp. 325-331. CODEN: JEBOA6. ISSN: 0022-0957.
 DT Article
 LA English
 ED Entered STN: 24 Apr 1997
 Last Updated on STN: 2 Jun 1997

L10 ANSWER 22 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
 AN 1997:381103 BIOSIS
 DN PREV199799680306
 TI Cloning and overexpression of manganese superoxide dismutase of rice in *E. coli*.
 AU Tzeng, Yin C.; Chen, Jyh C.; Pan, Shu-Mei
 CS Dep. Bot., Natl. Taiwan Univ., Taipei, Taiwan
 SO Plant Physiology (Rockville), (1997) Vol. 114, No. 3 SUPPL., pp. 154. Meeting Info.: PLANT BIOLOGY '97: 1997 Annual Meetings of the American Society of Plant Physiologists and the Canadian Society of Plant Physiologists, Japanese Society of Plant Physiologists and the Australian Society of Plant Physiologists. Vancouver, British Columbia, Canada. August 2-6, 1997.
 CODEN: PLPHAY. ISSN: 0032-0889.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 Conference; (Meeting Poster)
 LA English
 ED Entered STN: 4 Sep 1997

Last Updated on STN: 4 Sep 1997

L10 ANSWER 23 OF 29 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 10
AN 97:90810 CABA
DN 19971606814
TI Cloning and characterization of rice manganese superoxide
dismutases
AU Chen JyhCheng; Wei DawShyng; Pan ShuMei; Chen, J. C.; Wei, D. S.; Pan, S.
M.
CS Department of Botany, National Taiwan University, Taipei 106, Taiwan.
SO Taiwan, (1997) Vol. 42, No. 1, pp. 53-62. 29 ref.
ISSN: 0065-1125
DT Journal
LA English
SL Chinese
ED Entered STN: 15 Aug 1997
Last Updated on STN: 15 Aug 1997

L10 ANSWER 24 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
STN
AN 1996:357864 BIOSIS
DN PREV199699080220
TI Rice manganese superoxide dismutase
is encoded by a differentially regulated multigene family.
AU Chen, Ching-Nen; Chen, Jyh-Cheng; Pan, Shu-Mei
CS Dep. Botany, Natl. Taiwan Univ., Taipei 10764, Taiwan
SO Plant Physiology (Rockville), (1996) Vol. 111, No. 2 SUPPL., pp. 47.
Meeting Info.: Annual Meeting of the American Society of Plant
Physiologists. San Antonio, Texas, USA. July 27-31, 1996.
CODEN: PLPHAY. ISSN: 0032-0889.
DT Conference; (Meeting)
LA English
ED Entered STN: 5 Aug 1996
Last Updated on STN: 6 Aug 1996

L10 ANSWER 25 OF 29 CABA COPYRIGHT 2009 CABI on STN
AN 97:11960 CABA
DN 19970700105
TI The value of photoprotection as a criterion for improving crop
productivity
AU Counce, P. A.; Salin, M. L.; Tu, Z. P.; Black, C. C., Jr.
SO Research Series - Arkansas Agricultural Experiment Station, (1996) No.
453, pp. 25-31. 11 ref.
DT Journal
LA English
ED Entered STN: 10 Mar 1997
Last Updated on STN: 10 Mar 1997

L10 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 11
AN 1996:152257 CAPLUS
DN 124:226532
OREF 124:41853a, 41856a
TI The effects of salt stress on superoxide dismutase in rice
AU Wei, Daw-Shyng; Shen, Chun-Pu; Pan, Shu-Mei
CS Department Botany, National Taiwan University, Taipei, Taiwan
SO Zhongguo Nongye Huaxue Huizhi (1995), 33(6), 747-55
CODEN: CKNHAA; ISSN: 0578-1736
PE Chinese Agricultural Chemical Society
DT Journal
LA Chinese

L10 ANSWER 27 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
 STN
 AN 1994:421862 BIOSIS
 DN PREV199497434862
 TI Expression of the engineered yeast mitochondrial Mn-SOD gene in transgenic
 rice plants.
 AU Hayashi, Y. [Reprint author]; Watanabe, S.; Tanaka, T. [Reprint author];
 Hayakawa, T. [Reprint author]; Shimamoto, K. [Reprint author]
 CS Plantech Res. Inst., Yokohama, Japan
 SO Asada, K. [Editor]; Yoshikawa, T. [Editor]. Int. Congr. Ser. - Excerpta
 Med., (1994) pp. 259-260. International Congress Series; Frontiers of
 reactive oxygen species in biology and medicine.
 Publisher: Elsevier Science Publishers B.V., PO Box 211, Sara
 Burgerhartstraat 25, 1000 AE Amsterdam, Netherlands; Elsevier Science
 Publishing Co., Inc., P.O. Box 882, Madison Square Station, New York, New
 York 10159-2101, USA. Series: International Congress Series.
 Meeting Info.: 6th International Conference on Superoxide and Superoxide
 Dismutase. Kyoto, Japan. October 11-15, 1993.
 CODEN: EXMDA4. ISSN: 0531-5131. ISBN: 0-444-81778-6.
 DT Book
 Conference; (Meeting)
 Book; (Book Chapter)
 Conference; (Meeting Paper)
 LA English
 ED Entered STN: 3 Oct 1994
 Last Updated on STN: 4 Oct 1994

L10 ANSWER 28 OF 29 MEDLINE on STN DUPLICATE 12
 AN 1994120026 MEDLINE
 DN PubMed ID: 8290649
 TI Cloning and sequencing analysis of a complementary DNA for
 manganese-superoxide dismutase from
 rice (*Oryza sativa* L.).
 AU Sakamoto A; Nosaka Y; Tanaka K
 CS Department of Biochemistry, College of Agriculture, Kyoto Prefectural
 University, Japan.
 SO Plant physiology, (1993 Dec) Vol. 103, No. 4, pp. 1477-8.
 Journal code: 0401224. ISSN: 0032-0889.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 OS GENBANK-L19436
 EM 199402
 ED Entered STN: 12 Mar 1994
 Last Updated on STN: 12 Mar 1994
 Entered Medline: 18 Feb 1994

L10 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1992:3786 CAPLUS
 DN 116:3786
 OREF 116:747a
 TI Induction of antioxidant enzymes as defense systems in plant cells against
 low temperature stress. (II). Manganese(2+)-induced SOD activation and
 enhancement of cold tolerance in rice seedlings
 AU Hahn, Chang Kyun; Kim, Jong Pyung; Jung, Jin
 CS Dep. Agric. Chem., Seoul Natl. Univ., Suwon, 441-744, S. Korea
 SO Han'guk Nonghwa Hakhoechi (1991), 34(2), 168-73
 CODEN: JKACA7; ISSN: 0368-2897
 DT Journal
 LA Korean

=> d his

(FILE 'HOME' ENTERED AT 01:14:24 ON 15 JAN 2009)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
01:14:58 ON 15 JAN 2009

```
L1      1 S INDICA AND (GODAVARI OR SALWEEN) AND (TRANSFORMED OR TRANSGEN
L2      20 S INDICA AND (GODAVARI OR SALWEEN)
L3      19 S L2 NOT L1
L4      17 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)
L5      1314 S INDICA AND (TRANSFORMED OR TRANSGENIC)
L6      2 S INDICA AND (MNSOD OR MANGANESE(W) SUPEROXIDE(W) DISMUTASE)
L7      2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)
L8      0 S L7 AND (TRANSFORMED OR TRANSGENIC)
L9      59 S (RICE OR ORYZA) AND (MNSOD OR MANGANESE(W) SUPEROXIDE(W) DISMUT
L10     29 DUPLICATE REMOVE L9 (30 DUPLICATES REMOVED)
```

=> s

pea(w) ribulose(w) 1(w) 5(w) bisphosphate(w) carboxylase(w) small(w) subunit(w) transit(w) peptide and (rice or oryza)

```
L11     0 PEA(W) RIBULOSE(W) 1(W) 5(W) BISPHOSPHATE(W) CARBOXYLASE(W) SMAL
        L(W) SUBUNIT(W) TRANSIT(W) PEPTIDE AND (RICE OR ORYZA)
```

=> s cassava(w) vein(w) mosaic(w) virus(s) promoter(s) (rice or oryza)

```
L12     10 CASSAVA(W) VEIN(W) MOSAIC(W) VIRUS(S) PROMOTER(S) (RICE OR ORYZA)
```

=> duplicate remove l12

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):y

ENTER FILE NAMES OF DUPLICATES TO KEEP:medline

PROCESSING COMPLETED FOR L12

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L13     5 DUPLICATE REMOVE L12 MEDLINE (5 DUPLICATES REMOVED)
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=> duplicate remove l12

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L12

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L14     5 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)
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=> d l14 1-15 ti

L14 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

TI Cassava vein mosaic virus promoter-regulated hydroxyphenyl pyruvate dioxygenase gene and herbicide-resistant transgenic plants

L14 ANSWER 2 OF 5 CABA COPYRIGHT 2009 CABI on STN

TI Functional analysis of the 5[prime] untranslated region of the sucrose phosphate synthase rice gene (sps1).

L14 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

TI A synthetic promoter for expression of foreign genes in plant green and vascular tissue using elements from commelina yellow mottle virus and cassava vein mosaic virus promoters

L14 ANSWER 4 OF 5 CABA COPYRIGHT 2009 CABI on STN

TI The cassava vein mosaic virus promoter: a new promoter for cassava genetic engineering.

L14 ANSWER 5 OF 5 MEDLINE on STN

DUPLICATE 1

TI Isolation and expression in transgenic tobacco and rice plants,
of the cassava vein mosaic virus
(CVMV) promoter.

=> d 114 1-2 bib

L14 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2004:492338 CAPLUS

DN 141:48553

TI Cassava vein mosaic virus promoter-regulated hydroxyphenyl pyruvate
dioxigenase gene and herbicide-resistant transgenic plants

IN Ferullo, Jean Marc; Sailland, Alain; Schmitt, Frederic; Paget, Eric Paul
Christian

PA Bayer Cropscience S.A., Fr.

SO Fr. Demande, 48 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2848571	A1	20040618	FR 2002-15696	20021212
	WO 2004053135	A2	20040624	WO 2003-EP15009	20031210
	WO 2004053135	A3	20040902		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2003302810	A1	20040630	AU 2003-302810	20031210
PRAI	FR 2002-15696	A	20021212		
	WO 2003-EP15009	W	20031210		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 5 CABA COPYRIGHT 2009 CABI on STN

AN 2003:148468 CABA

DN 20033121982

TI Functional analysis of the 5[prime] untranslated region of the sucrose
phosphate synthase rice gene (sps1)

AU Martinez-Trujillo, M.; Limones-Briones, V.; Chavez-Barcenas, T.;
Herrera-Estrella, L.

CS Departamento de Ingenieria Genetica de Plantas, Centro de Investigacion y
de Estudios Avanzados del Instituto Politecnico Nacional, Unidad Irapuato,
Apartado Postal 629, Km 9.6 carretera Irapuato-Leon, Irapuato, Guanajuato
36500, Mexico. lherrera@cira.cinvestav.mx

SO Plant Science, (2003) Vol. 165, No. 1, pp. 9-20. 48 ref.

Publisher: Elsevier Science Ltd. Oxford

ISSN: 0168-9452

CY United Kingdom

DT Journal

LA English

ED Entered STN: 16 Sep 2003

Last Updated on STN: 16 Sep 2003

=> d his

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FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
01:14:58 ON 15 JAN 2009

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L1      1 S INDICA AND (GODAVARI OR SALWEEN) AND (TRANSFORMED OR TRANSGEN
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L3      19 S L2 NOT L1
L4      17 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)
L5      1314 S INDICA AND (TRANSFORMED OR TRANSGENIC)
L6      2 S INDICA AND (MNSOD OR MANGANESE(W) SUPEROXIDE(W) DISMUTASE)
L7      2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)
L8      0 S L7 AND (TRANSFORMED OR TRANSGENIC)
L9      59 S (RICE OR ORYZA) AND (MNSOD OR MANGANESE(W) SUPEROXIDE(W) DISMUT
L10     29 DUPLICATE REMOVE L9 (30 DUPLICATES REMOVED)
L11     0 S PEA(W) RIBULOSE(W) 1(W) 5(W) BISPHOSPHATE(W) CARBOXYLASE(W) SMALL(W)
L12     10 S CASSAVA(W) VEIN(W) MOSAIC(W) VIRUS(S) PROMOTER(S) (RICE OR ORYZA)
L13     5 DUPLICATE REMOVE L12 MEDLINE (5 DUPLICATES REMOVED)
L14     5 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)
```

=> s
(PEA(W)RIBULOSE(W)1(W)5(W)BISPHOSPHATE(W)CARBOXYLASE)(s)(small(w)subunit)(p)(rice or
oryza)
UNMATCHED RIGHT PARENTHESIS 'ORYZA'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s
(PEA(W)RIBULOSE(W)1(W)5(W)BISPHOSPHATE(W)CARBOXYLASE)(s)(small(w)subunit)(p)(rice
or oryza)
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'SUBUNIT)(P)(RICE'
L15 0 (PEA(W) RIBULOSE(W) 1(W) 5(W) BISPHOSPHATE(W) CARBOXYLASE)(S)(SM
ALL(W) SUBUNIT)(P)(RICE OR ORYZA)

=> s (pea or pisum)(s)(small(w)subunit)(p)(rice or oryza)
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'SUBUNIT)(P)(RICE'
L16 4 (PEA OR PISUM)(S)(SMALL(W) SUBUNIT)(P)(RICE OR ORYZA)

=> duplicate remove l16
DUPLICATE PREFERENCE IS 'MEDLINE, CABA, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L16
L17 3 DUPLICATE REMOVE L16 (1 DUPLICATE REMOVED)

=> d l17 1-3 ti

```
L17  ANSWER 1 OF 3      MEDLINE on STN      DUPLICATE 1
TI    Bioengineered 'golden' indica rice cultivars with beta-carotene metabolism
      in the endosperm with hygromycin and mannose selection systems.

L17  ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2009 ACS on STN
TI    Rubisco assembly in higher plant and characterization of its intermediates

L17  ANSWER 3 OF 3  CABA  COPYRIGHT 2009 CABI on STN
TI    Cloning of rice rbcS precursor cDNA and the import of its in vitro
      synthesised products into intact chloroplasts from pea.
```

=> d l17 1 bib

L17 ANSWER 1 OF 3 MEDLINE on STN DUPLICATE 1
 AN 2006711900 MEDLINE
 DN PubMed ID: 17147745
 TI Bioengineered 'golden' indica rice cultivars with beta-carotene metabolism in the endosperm with hygromycin and mannose selection systems.
 AU Datta Karabi; Baisakh Niranjana; Oliva Norman; Torrizo Lina; Abrigo Editha; Tan Jing; Rai Mayank; Rehana Sayda; Al-Babili Salim; Beyer Peter; Potrykus Ingo; Datta Swapan K
 CS International Rice Research Institute, Plant Breeding, Genetics, and Biochemistry Division, DAPO Box 7777, Metro Manila, Philippines.
 SO Plant biotechnology journal, (2003 Mar) Vol. 1, No. 2, pp. 81-90. Journal code: 101201889. E-ISSN: 1467-7652.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS NONMEDLINE; PUBMED-NOT-MEDLINE
 EM 200707
 ED Entered STN: 7 Dec 2006
 Last Updated on STN: 3 Jul 2007
 Entered Medline: 2 Jul 2007

=> d l17 kwic

L17 ANSWER 1 OF 3 MEDLINE on STN DUPLICATE 1
 AB Vitamin-A deficiency (VAD) is a major malnutrition problem in South Asia, where indica rice is the staple food. Indica-type rice varieties feed more than 2 billion people. Hence, we introduced a combination of transgenes using the biolistic system of transformation enabling biosynthesis of provitamin A in the endosperm of several indica rice cultivars adapted to diverse ecosystems of different countries. The rice seed-specific glutelin promoter (Gt-1 P) was used to drive the expression of phytoene synthase (psy), while lycopene beta-cyclase (lcy) and phytoene desaturase (crtI), fused to the transit peptide sequence of the pea-Rubisco small subunit, were driven by the constitutive cauliflower mosaic virus promoter (CaMV35S P). Transgenic plants were recovered through selection with either CaMV35S. . . isomerase) gene. Molecular and biochemical analyses demonstrated stable integration and expression of the transgenes. The yellow colour of the polished rice grain evidenced the carotenoid accumulation in the endosperm. The colour intensity correlated with the estimated carotenoid content by spectrophotometric and . . . the genome. This is the first report of using nonantibiotic pmi driven by a novel promoter in generating transgenic indica rice for possible future use in human nutrition.

=> d his

(FILE 'HOME' ENTERED AT 01:14:24 ON 15 JAN 2009)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 01:14:58 ON 15 JAN 2009

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 L3 19 S L2 NOT L1
 L4 17 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)
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 L6 2 S INDICA AND (MNSOD OR MANGANESE(W) SUPEROXIDE(W) DISMUTASE)
 L7 2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)
 L8 0 S L7 AND (TRANSFORMED OR TRANSGENIC)

L9 59 S (RICE OR ORYZA) AND (MNSOD OR MANGANESE(W) SUPEROXIDE(W) DISMUT
 L10 29 DUPLICATE REMOVE L9 (30 DUPLICATES REMOVED)
 L11 0 S PEA(W) RIBULOSE(W) 1(W) 5(W) BISPHOSPHATE(W) CARBOXYLASE(W) SMALL(W)
 L12 10 S CASSAVA(W) VEIN(W) MOSAIC(W) VIRUS(S) PROMOTER(S) (RICE OR ORYZA)
 L13 5 DUPLICATE REMOVE L12 MEDLINE (5 DUPLICATES REMOVED)
 L14 5 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)
 L15 0 S (PEA(W) RIBULOSE(W) 1(W) 5(W) BISPHOSPHATE(W) CARBOXYLASE) (S) (SMAL
 L16 4 S (PEA OR PISUM) (S) (SMALL(W) SUBUNIT) (P) (RICE OR ORYZA)
 L17 3 DUPLICATE REMOVE L16 (1 DUPLICATE REMOVED)

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
187.80	188.02

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 01:33:36 ON 15 JAN 2009